Please replace the paragraph on page 31, lines 3-14 with:

The term "library comprising nucleic acids having a number of different catalytic activities" preferably denotes a library wherein said different catalytic activities are substantially different activities, e.g. nuclease, ligase, isomerase, phosphorylase. An advantage of such a library may be that by changing the substrate according to the specific activity of interest, said library may be used to identify a number of nucleic acids of interest. If for instance a DNA ligase of interest first is isolated by a method for in vitro selection as described herein by use of, *e.g.*, two DNA oligonucleotides as substrates, then a ribonuclease may be isolated thereafter by changing the substrate to, *e.g.*, an RNA oligonucleotide.

Please replace the title on page 34, lines 31-32 with:

Means of isolating an active catalyst of interest according to a method of the invention:

Please replace the paragraph on page 38, lines 28-30 with:

The catalyst of interest is a SNase; the substrate is a single stranded oligonucleotide (ssDNA); and the product is the ssDNA cleaved by a SNase of interest.

Please replace the paragraph on page 55, lines 25-29 with:

This is an example of the selection scheme depicted in Figure 7. An enzyme with glycosidase activity is displayed on the surface of a filamentous phage using the principles described in example 1 above and the skilled person's general knowledge.

Please replace the paragraph on page 55, line 30 to page 56, line 2 with:

The substrate is a glycogen linker substrate attached to the surface of a filamentous phage using the principles described in example 1 above and the skilled person's general knowledge.

Please replace the paragraph on page 58, lines 4-13 with:

The principle is here exemplified in the case where the individual unit consists of a cell (bacteria or yeast), attached substrate (double stranded DNA with 5'-overhang), and secreted enzyme (ligase; for example, in a recombinant form that allows its secretion). A restriction enzyme (for example EcoRI) is used as the reagent. The selection is performed in the column format. The column matrix is coated with double stranded DNA with 5'-overhangs that are